IDIS Solution Suite

Software Manual

Video Wall Service

Powered by Direct IP™

Before reading this manual

This Operation Manual provides instructions for using IDIS Solution Suite, a network integration solution enabling remote control of network cameras and video servers.

References to IDIS Solution Suite system throughout this Operation Manual mean the computer system on which the IDIS Solution Suite program is running. References to device mean a network camera or a network video server.

Following program is provided in addition to IDIS Solution Suite:

Start > **IDIS Solution Suite** > **Utility** > **ProblemReporter** (contact your IDIS Solution Suite distributor for the **SecretKey**.)

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The information in this manual is believed to be accurate as of the date of publication even though explanations of some functions may not be included. We are not responsible for any problems resulting from the use thereof. The information contained herein is subject to change without notice. Revisions or new editions to this publication may be issued to incorporate such changes.

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In-Text

Symbol	Type	Description
	Caution	Important information concerning a specific function.
	Note	Useful information concerning a specific function.

WEEE (Waste Electrical & Electronic Equipment)

Correct Disposal of This Product

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

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Part 1 – Introduction

This document describes installation and operation of IDIS Solution Suite Video Wall software, which is designed to be used with IDIS Solution Suite Standard or IDIS Solution Suite Federation software.

The video wall service allows you to control monitoring on multiple monitors with network keyboards for centralized monitoring in a surveillance center.

If the video wall service is registered on an administration service, the IDIS Solution Suite system allows you to control monitoring for devices registered on the administration service. If the video wall service is registered on a federation service, the IDIS Solution Suite system allows you to control monitoring for devices registered on the all administration services that are registered on the federation service.

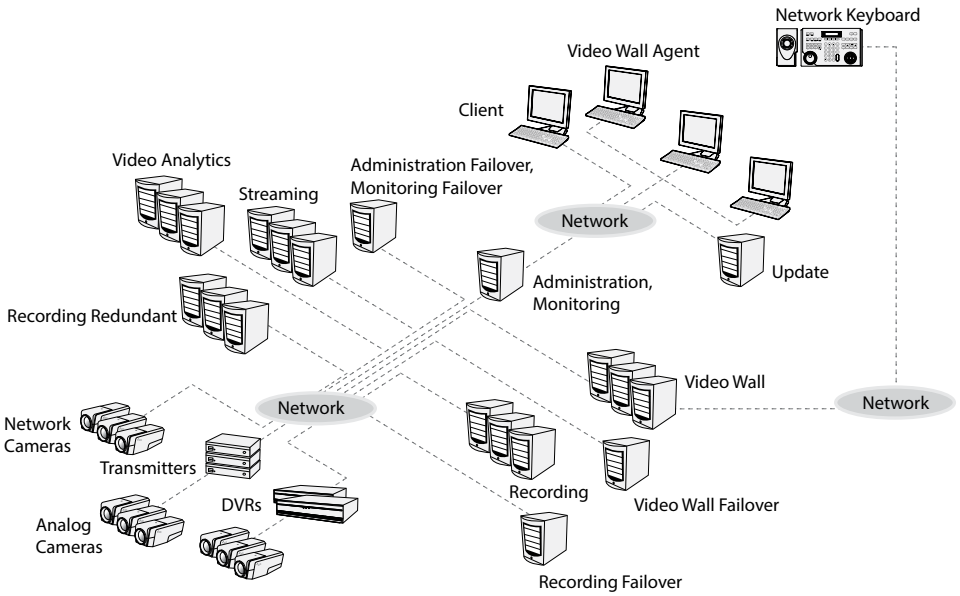
Number of video wall services, video wall agent systems and monitors are as follows:

- Video Wall Service Registration: Maximum of four per administration or federation service
- Video Wall Agent System Registration: Maximum of 64 per video wall service depending on the type and number of the WIBU-Keys. Ask your dealer or distributor about the number of video wall agent system that can be registered using your IDIS Solution Suite software.
- Monitor Registration: Maximum of 6 per video wall agent system

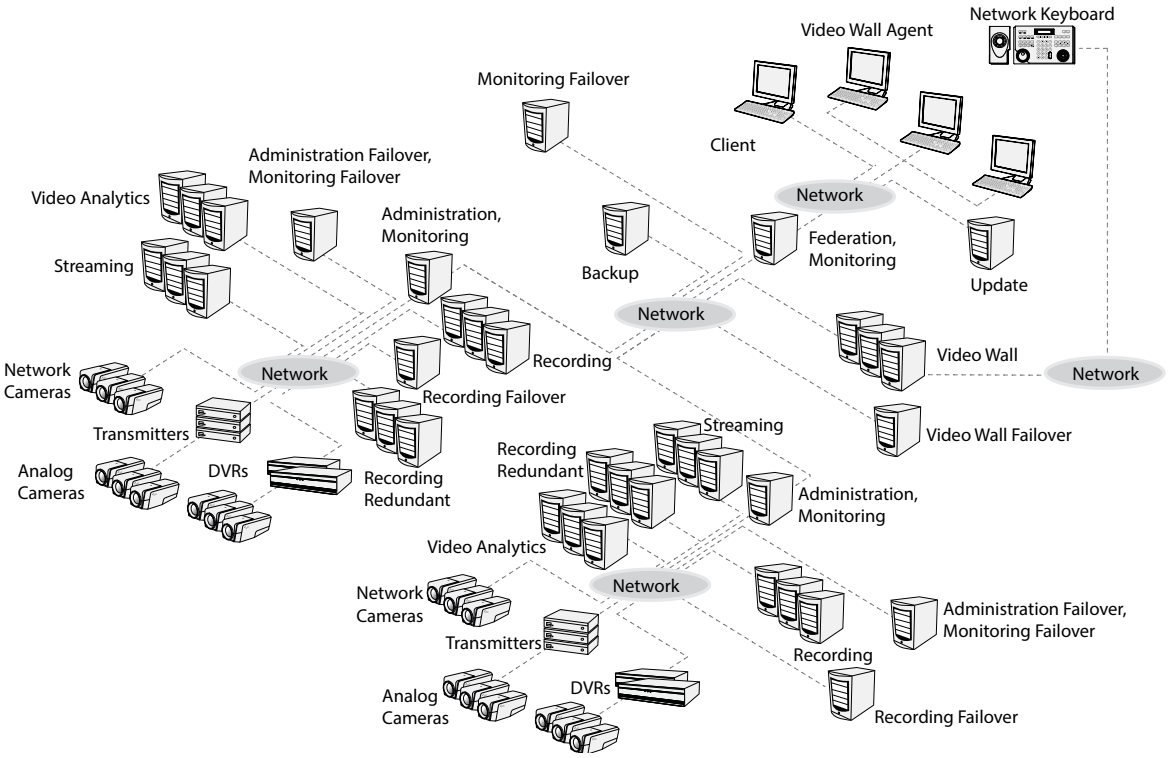
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (**http://www.openssl.org/**).
- The software included in this product contains some Open Sources. You may obtain the complete corresponding source code from us. See the Open Source Guide on the software CD (**OpenSourceGuide\OpenSourceGuide.pdf**) or as a printed document included along with this document.

System Diagram

Video Wall Service Registered on Administration Service



Video Wall Service Registered on Federation Service



Part 2 - Installation

Product Information

Package Contents

- Installation CD
- User's Manual
- WIBU-Key (USB Dongle)

- If a **WIBU-Key** is removed from a video wall server, the video wall service and video wall agent program might not work properly.
- When you connect or remove a **WIBU-Key**, stop running the video wall service first.

System Requirements

Server System

	Recommended
OS	Microsoft® Windows® XP 32-bit/Vista (Home Standard, Business, Ultimate, Enterprise), Microsoft® Windows® 7 (Home Premium, Professional, Ultimate), Microsoft® Windows® 8 (Pro, Enterprise), Microsoft® Windows® Server 2003/2008/2012
CPU	Intel Core II Quad 8200 2.33 GHz/Intel Xeon 3.0 GHz or faster
RAM	2GB or more
VGA	AMD Radeon™ HD 2400 or NVIDIA GeForce FX5500 (AMD recommended) (1024x768, 24bpp or higher)
HDD	2GB or more free space for each service (for example, 4GB or more free space when installing video wall and update services)
LAN	Gigabit Ethernet or faster

Agent System

	Recommended	Minimum
OS	Microsoft® Windows® 7 64-bit (Home Premium, Professional, Ultimate) (Microsoft® Windows® 8 (Pro, Enterprise) compatible)	Microsoft® Windows® 7 (Home Premium, Professional, Ultimate)
CPU	Intel i7 Ivy Bridge 2.33 GHz or faster	Intel i7 Sendy Bridge 3.0 GHz or faster
RAM	2GB or more	2GB or more
VGA	AMD Radeon™ HD 5450 or later (1024x768, 24bpp or higher)	AMD Radeon™ HD 5450 or later (1024x768, 24bpp or higher)
HDD	350 MB or more free space	350 MB or more free space
LAN	Gigabit Ethernet or faster	Gigabit Ethernet or faster

- In this document, the **Server or Server System** refers to a PC on which a IDIS Solution Suite service is running. The **Agent System** refers to a PC running the Agent program.
- The IDIS Solution Suite program is a 32-bit application. When you install it on a 64-bit of Microsoft® Windows® Vista or later operating system, it is installed and operates in 32-bit compatibility mode.

Installation

Disable your PC's Windows power saving function: **Start** menu → **Power Options** → set both **Turn off the display** and **Put the computer to sleep** to **Never** (**Power Options** → **Power Schemes** tab → set both **Turn off monitor** and **Turn off hard disks** to **Never** when using the Microsoft® Windows® XP operating system).

- It is not possible to install the Agent program on the same PC as IDIS Solution Suite services or Client program.
- If an older version of IDIS Solution Suite software is installed on your computer, a screen appears asking you to upgrade the software. In this case, you are required to upgrade the software according to the instructions in the screen.

Server System

1 Insert the software CD in the video wall server.

2 Run the **Setup.exe** file of the software CD.

The **User Account Control** window might appear when using the Microsoft® Windows® Vista or later operating system. Click **Allow** and install the software following the instructions.

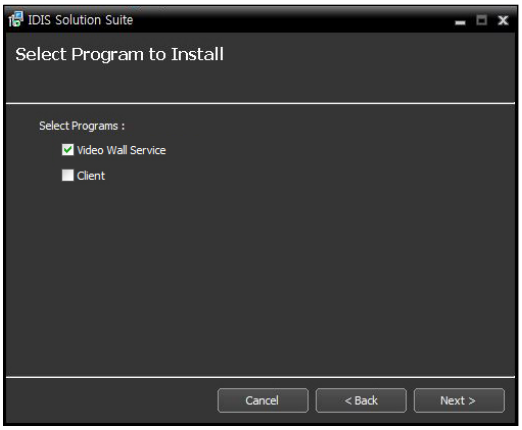
3 Select the language in which to run the program and then click **OK**.

- To properly display the selected language, your PC's operating system should be set to support the selected language.
- To change the IDIS Solution Suite program's language after the software has been installed, select **Language Selector** in the **IDIS Solution Suite** → **Utility** folder of the **Start** menu before running the **IDIS Solution Suite** program.

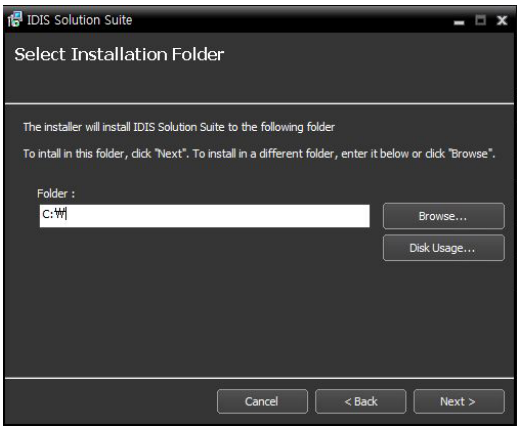
4 When the following screen appears, select **Install** and click **Next**.

IDIS Solution Suite
Welcome to the IDIS Solution Suite Setup Wizard
The installer will guide you through the steps required to install IDIS Solution Suite on your
Choose setup operation.
Install
Install WibuKey Device Driver only
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

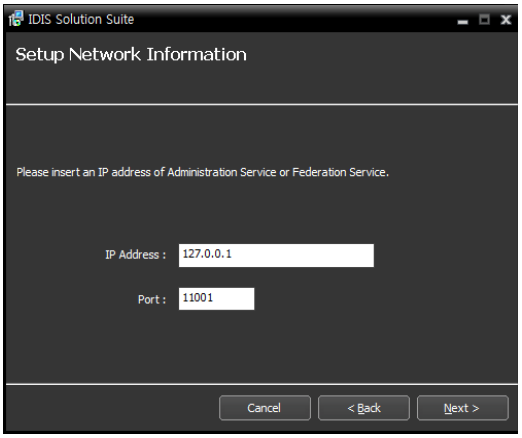
5 Select **Video Wall Service** and click **Next**.



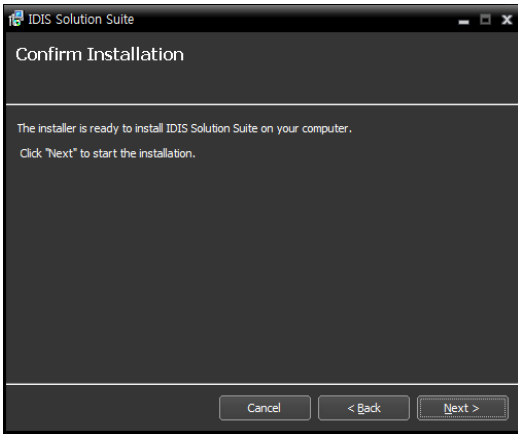
6 Designate the folder path to install the services. Clicking the **Disk Usage…** button shows the available and required disk space for each hard disk drive for the installation. Then click **Next**.

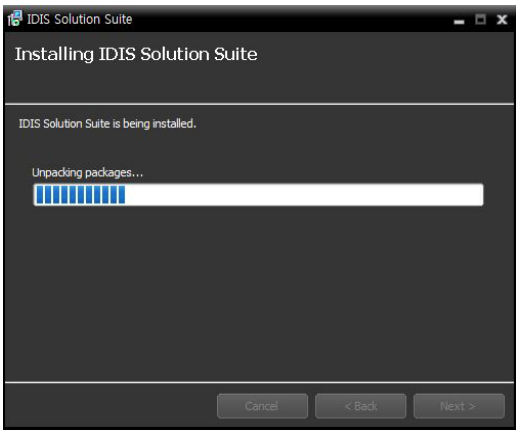

IDIS Solution Suite
Select Installation Folder
The installer will install IDIS Solution Suite to the following folder
To intall in this folder, click "Next". To install in a different folder, enter it below or click "Browse".
Folder :
C:₩
Browse...
Disk Usage...
Cancel
< Back
Next >

7 Enter the IP address and port number of the administration or federation service and click **Next**. You can change the settings in the Service Manager program after completing installation if necessary. When the installation is complete, the video wall service is connected to the administration or federation service via the network if both services are operating.

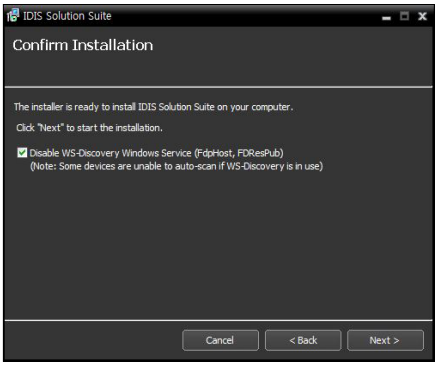


8 When the following screens appear, click **Next**.

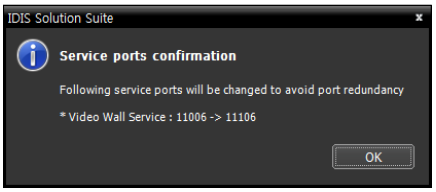

IDIS Solution Suite
Confirm Installation
The installer is ready to install IDIS Solution Suite on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >



- The following screen appears when using Microsoft® Windows® Vista or later operating systems. It is recommended that you check the **Disable WS-Discovery Windows Service (fdPHost, FDResPub)** box. If you do not check the box, the IDIS Solution Suite program cannot auto-scan devices using ONVIF™ Conformance protocol when scanning devices for device registration.

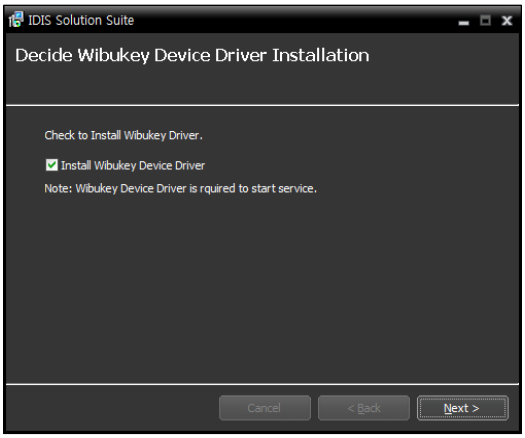

IDIS Solution Suite
Confirm Installation
The installer is ready to install IDIS Solution Suite on your computer.
Click "Next" to start the installation.
Disable WS-Discovery Windows Service (FdpHost, FDResPub)
(Note: Some devices are unable to auto-scan if WS-Discovery is in use)
Cancel
< Back
Next >

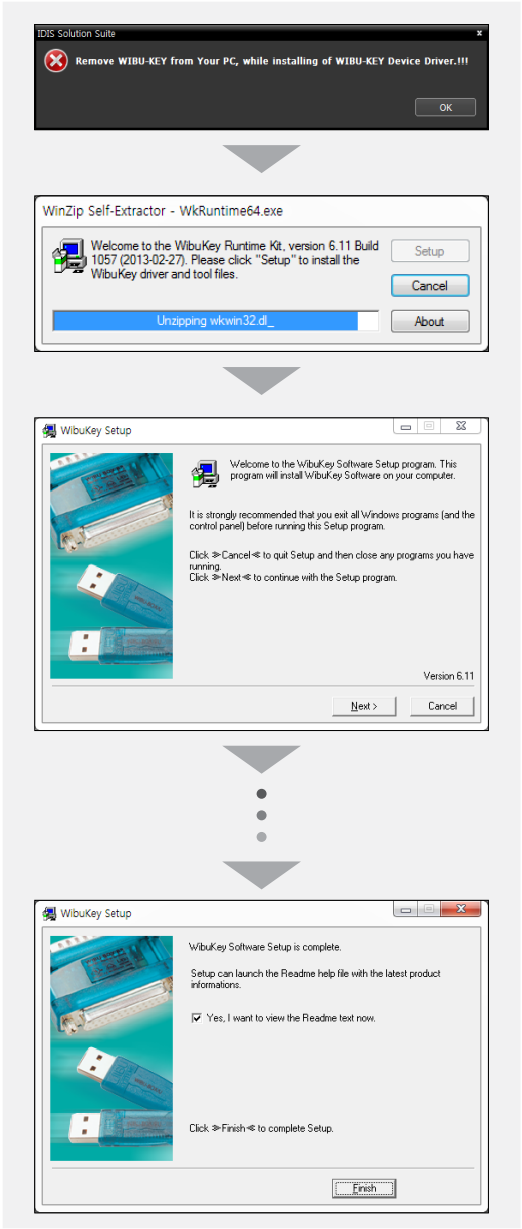
- The following screen appears when the port number of the service being installed is already in use, and the screen displays the port number that will be changed. The changed port number will be applied when the service starts operating after installation.

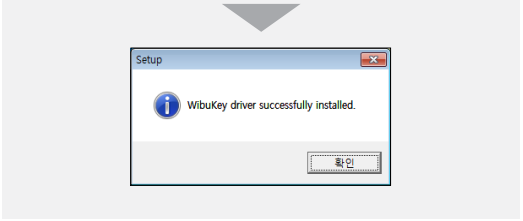

IDIS Solution Suite
Service ports confirmation
Following service ports will be changed to avoid port redundancy
* Video Wall Service : 11006 -> 11106
OK

- **.NET Framework** and the **Visual C++ Runtime Libraries** are installed automatically, and it may take some time. This installation step will be skipped if the programs are already installed on your computer.

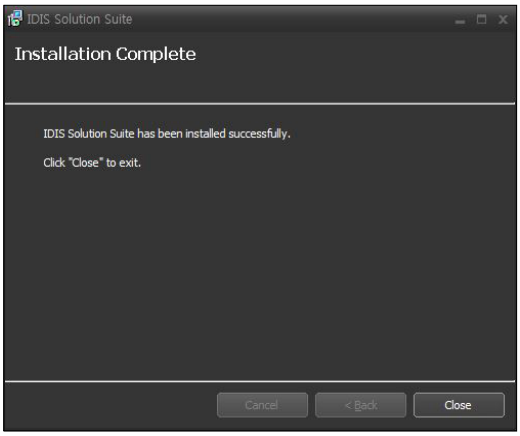
9 Disconnect the WIBU-Key from the server if a WIBU-Key is connected. Then install the WIBU-Key device driver following the instructions.


IDIS Solution Suite
Decide Wibukey Device Driver Installation
Check to Install Wibukey Driver.
Install Wibukey Device Driver
Note: Wibukey Device Driver is rquired to start service.
Cancel
< Back
Next >


IDIS Solution Suite
Remove WIBU-KEY from Your PC, while installing of WIBU-KEY Device Driver.!!!
OK
WinZip Self-Extractor - WkRuntime64.exe
Welcome to the WibuKey Runtime Kit, version 6.11 Build 1057 (2013-02-27). Please click "Setup" to install the WibuKey driver and tool files.
Setup
Cancel
About
Unzipping wkwin32.dl_
WibuKey Setup
Welcome to the WibuKey Software Setup program. This program will install WibuKey Software on your computer.
It is strongly recommended that you exit all Windows programs (and the control panel) before running this Setup program.
Click ≫Cancel≪ to quit Setup and then close any programs you have running.
Click ≫Next≪ to continue with the Setup program.
Version 6.11
Next >
Cancel
WibuKey Setup
WibuKey Software Setup is complete.
Setup can launch the Readme help file with the latest product informations.
Yes, I want to view the Readme text now.
Click ≫Finish≪ to complete Setup.
Finish



10 When the following screen appears, click the **Close** button to complete the installation.



After successfully installing the services, the services, Service Manager program (the icon is displayed in the notification area of the task bar) and Setup program run automatically.

11 Connect WIBU-Keys to the video wall server.

Agent System

1 Insert the software CD in the video wall server.

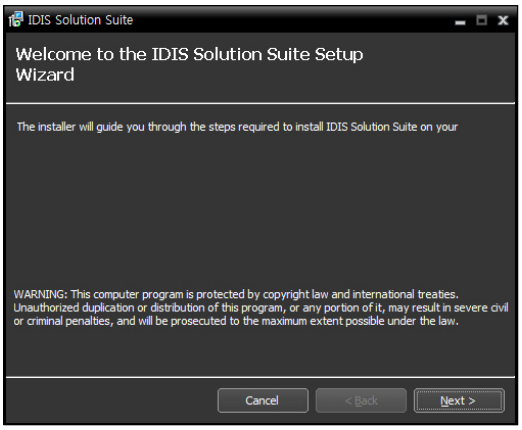
2 Run the **VideoWallAgentSetup.exe** file of the software CD.

The **User Account Control** window might appear when using the Microsoft® Windows® Vista or later operating system. Click **Allow** and install the software following the instructions.

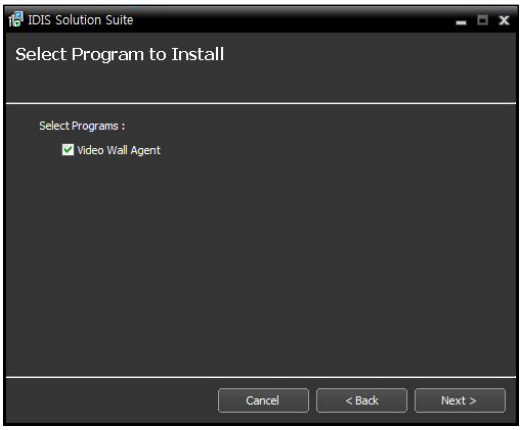
3 Select the language in which to run the program and then click **OK**.

- To properly display the selected language, your PC's operating system should be set to support the selected language.
- To change the IDIS Solution Suite program's language after the software has been installed, select **Language Selector** in the **IDIS Solution Suite** → **Utility** folder of the **Start** menu before running the **IDIS Solution Suite** program.

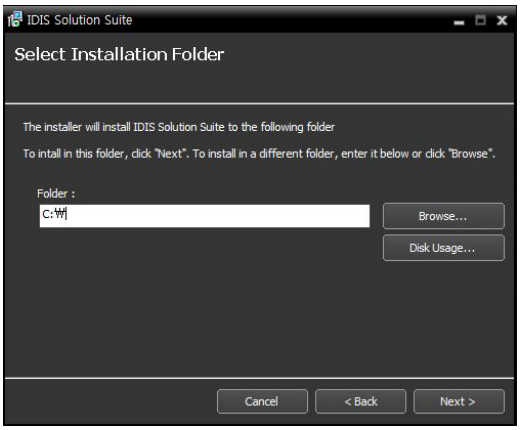
4 When the following screen appears, select **Install** and click **Next**.


IDIS Solution Suite
Welcome to the IDIS Solution Suite Setup Wizard
The installer will guide you through the steps required to install IDIS Solution Suite on your
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

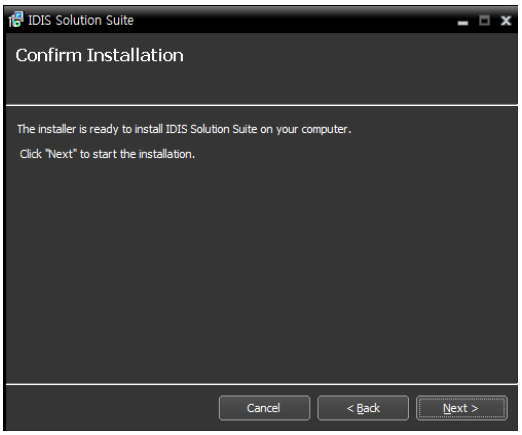
5 Select **Video Wall Service** and click **Next**.

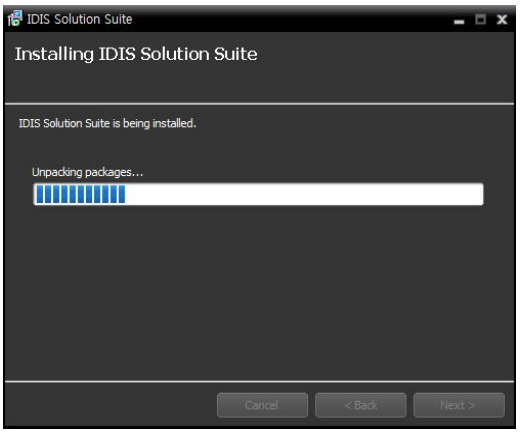


6 Designate the folder path to install the services. Clicking the **Disk Usage…** button shows the available and required disk space for each hard disk drive for the installation. Then click **Next**.

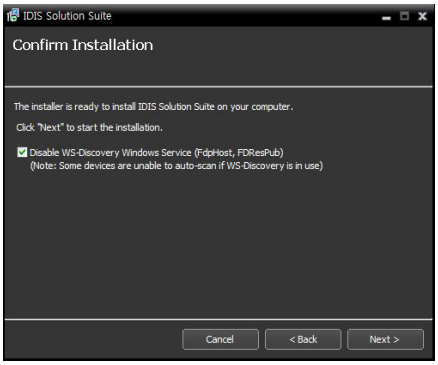

IDIS Solution Suite
Select Installation Folder
The installer will install IDIS Solution Suite to the following folder
To intall in this folder, click "Next". To install in a different folder, enter it below or click "Browse".
Folder :
C:₩
Browse...
Disk Usage...
Cancel
< Back
Next >

7 When the following screens appear, click **Next**.


IDIS Solution Suite
Confirm Installation
The installer is ready to install IDIS Solution Suite on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >

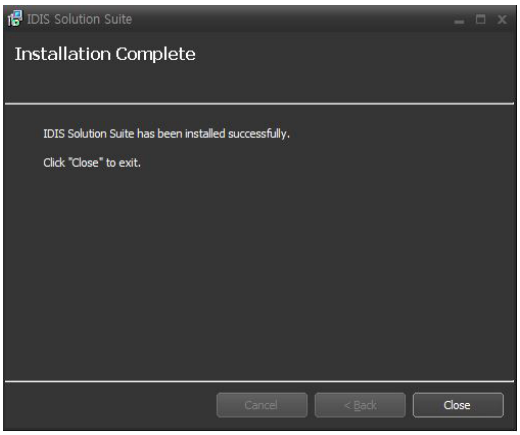


- The following screen appears when using Microsoft® Windows® Vista or later operating systems. It is recommended that you check the **Disable WS-Discovery Windows Service (fdPHost, FDResPub)** box. If you do not check the box, the IDIS Solution Suite program cannot auto-scan devices using ONVIF™ Conformance protocol when scanning devices for device registration.


IDIS Solution Suite
Confirm Installation
The installer is ready to install IDIS Solution Suite on your computer.
Click "Next" to start the installation.
Disable WS-Discovery Windows Service (FdpHost, FDResPub)
(Note: Some devices are unable to auto-scan if WS-Discovery is in use)
Cancel
< Back
Next >

- **.NET Framework** and the **Visual C++ Runtime Libraries** are installed automatically, and it may take some time. This installation step will be skipped if the programs are already installed on your computer.

8 When the following screen appears, click the **Close** button to complete the installation.



After successfully installing the services, the services, Service Manager program (the icon is displayed in the notification area of the task bar) and Setup program run automatically.

Uninstall

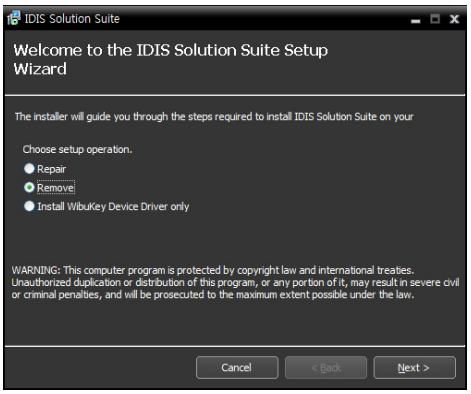
1 Stop running the services and Agent program first.

- The IDIS Solution Suite software might not uninstall correctly if you uninstall it while the services or Agent program is running.
- If an Agent system is registered on the service, remove the Agent system before uninstalling the IDIS Solution Suite software. If the Agent system is not removed from the service and all data is deleted while the IDIS Solution Suite software is uninstalled, it is required that you unregister the Agent system in the Agent program. Refer to **4.2 Setting up Video Wall Agent Setup (p. 22)** for details.

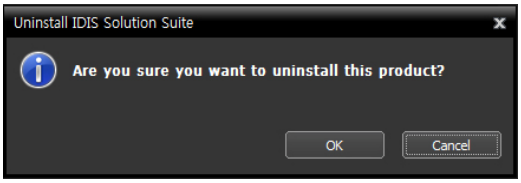
The IDIS Solution Suite software should be uninstalled following the procedures below. If you delete the installation folder manually, the IDIS Solution Suite software cannot be uninstalled or reinstalled.

2 Go to the **Start** Menu, and click **IDIS Solution Suite**. Click **Uninstall IDIS Solution Suite**.

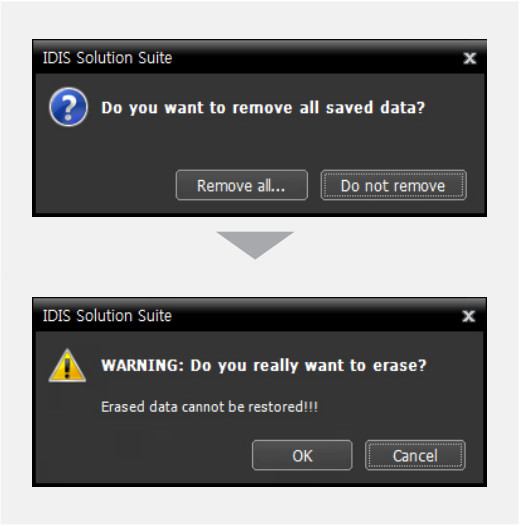
You can uninstall the software by using the software CD. Insert the software CD in the video wall server and run the **Setup.exe** file. Select **Remove** and click **Next**.


IDIS Solution Suite
Welcome to the IDIS Solution Suite Setup Wizard
The installer will guide you through the steps required to install IDIS Solution Suite on your
Choose setup operation.
Repair
Remove
Install WibuKey Device Driver only
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

3 Click **OK** when the following screen appears.



4 Click the **Remove All** or **Do not remove** button when the following screen appears. Clicking the **Remove All** button deletes all saved data including recorded video and previous settings in the system. Clicking the **Do not remove** button uninstalls the software without deleting any saved data in the system and keeps all saved data in the system.



The deleted data cannot be restored once the data is deleted.

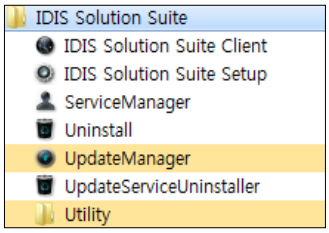
5 Click the **OK** button to complete the uninstall process.

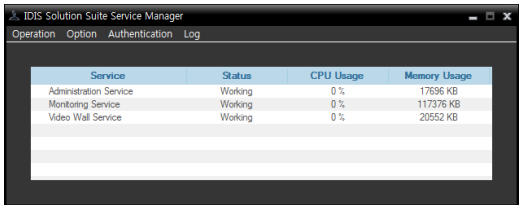
Part 3 - Getting Started

Services should be running on the IDIS Solution Suite server for the IDIS Solution Suite program to operate.

Running Services

When the services are installed, the services run automatically. You can also start or stop running the services manually. Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **Service Manager** program.



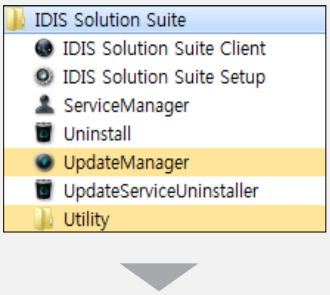


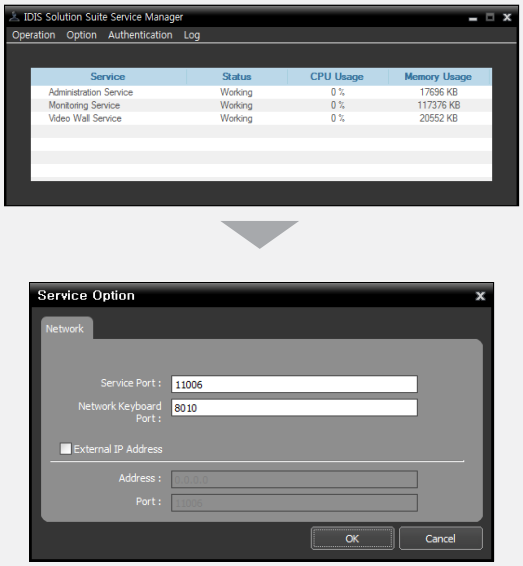
Check the status of services. If any of the services are not listed as **Working** under **Status**, start the services manually. Refer to IDIS Solution Suite Standard User's Manual for details about the **Service Manager** program.

Registering Video Wall Service

You must register video wall services (max. 4) on the administration or federation service. If the IP address and port number of the administration or federation server is entered correctly during the installation, the service is registered on the administration or federation service automatically. Registering the video wall service on the administration service allows you to control monitoring for devices registered on the administration service. Registering the video wall service on the federation service allows you to control monitoring for devices registered on the all administration services that are registered on the federation service.

The video wall service should be connected to the administration or federation service via the network connection, on which the video wall service is registered. Go to the **Start** Menu and click IDIS Solution Suite. Run the **Service Manager** program and click the **Option – Server Option** menu.

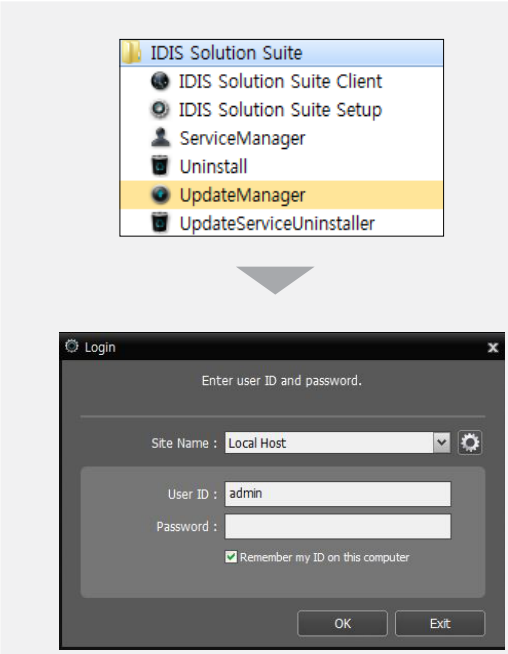




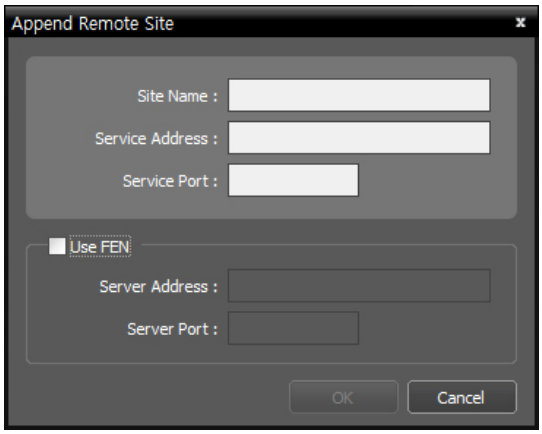
- **Service Port**: Enter the port number for connection to the service.
- **Network Keyboard Port**: Enter the port number for connection to the video wall service from a network keyboard. The port number will be used when you control the Agent system with the network keyboard.
- **External IP Address**: Enter the external IP address and port number for connection to the service from an external network

Registering on Administration Service

1 Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Setup** program and enter login information.



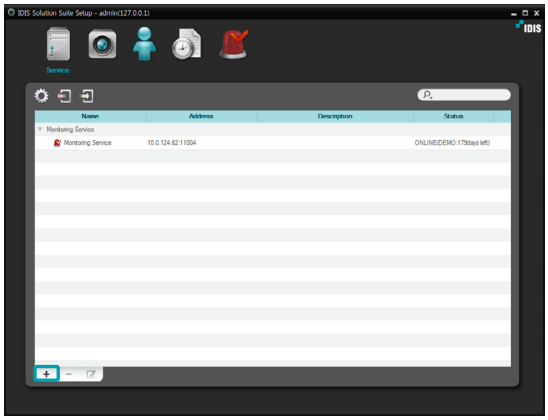
- **Site Name**: Select the administration service to connect to from the list. You can add other administration services to the list or modify information about the administration service in the list by clicking the ⚙ button at the right.



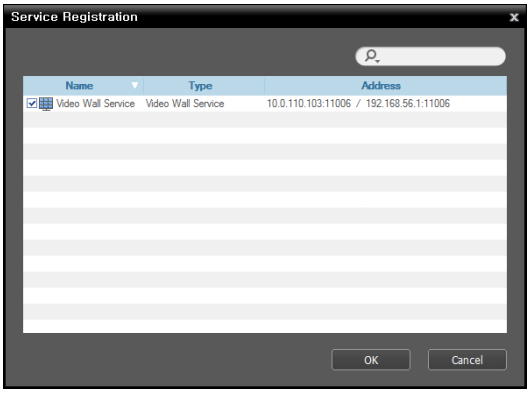
- **Site Name**, **Service Address**, **Service Port**: Designate the name of the administration service and enter the IP address and port number of the administration server to which the video wall service is connected (default: 11001).

- **User ID**, **Password**: Enter your user ID and password. The default user ID is **admin** and default password is **12345678**. You can change the user ID and password in the User menu. Refer to IDIS Solution Suite Standard User's Manual for details.
- **Remember my ID on this computer**: Check the box if you want to save your ID for logging on.

2 Select the Service menu, and then register a video wall service on the administration service following the procedures below.

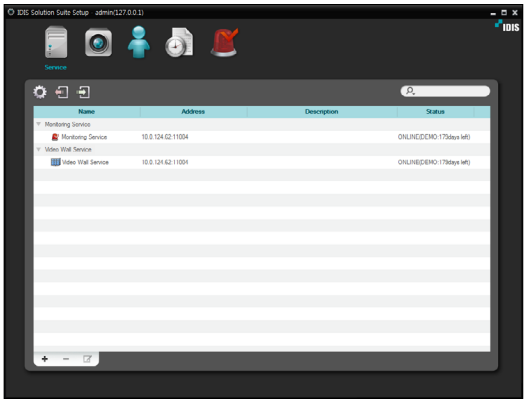


3 Click the + button at the bottom. The **Service Registration** window appears, and a list of available services is displayed with information about each service.

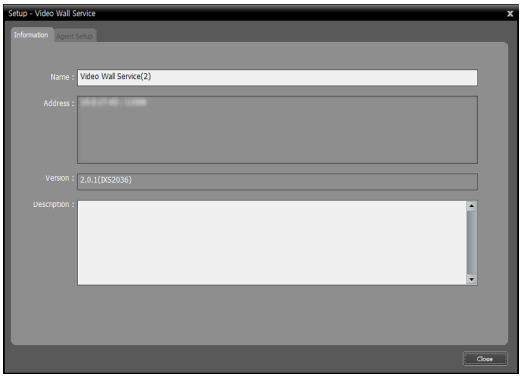


- **Name**: Displays services that are currently connected to the administration service via the network.
- **Type**: Displays the service type.
- **Address**: Display the IP address and port number of each server.

4 Select a video wall services to register on the administration service and click the **OK** button.



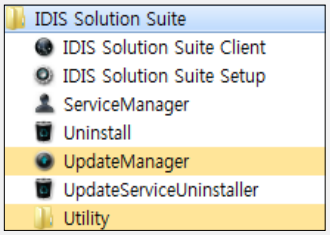
5 Select a video wall service and click the ☑ button at the bottom. The **Setup – Video Wall Service** window appears. Select the **Information** tab.

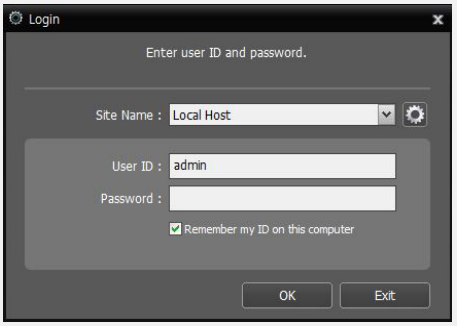


6 Enter the video wall service's name and click the **Close** button.

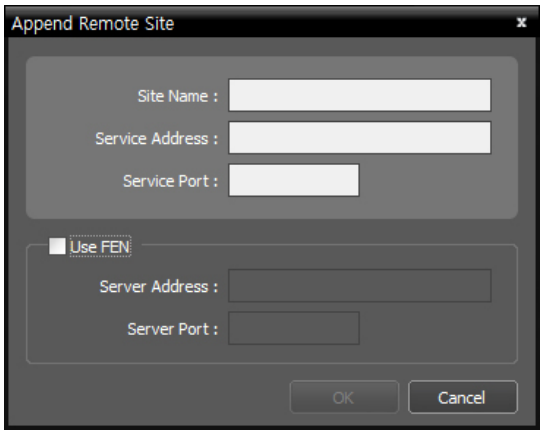
Registering on Federation Service

1 Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Setup** program and enter login information.





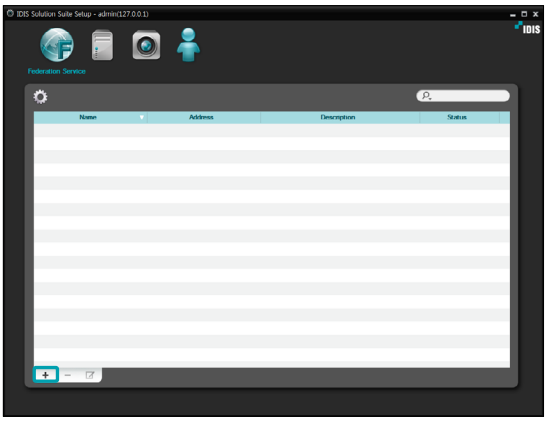
- **Site Name**: Select the federation service to connect to from the list. You can add other federation services to the list or modify information about the federation service in the list by clicking the ⚙ button at the right.



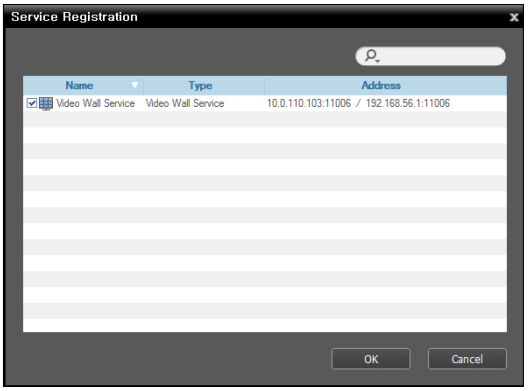
- **Site Name**, **Service Address**, **Service Port**: Designate the name of the federation service and enter the IP address and port number of the federation server to which the video wall service is connected (default: 11001).

- **User ID**, **Password**: Enter your user ID and password. The default user ID is **admin** and default password is **12345678**. You can change the user ID and password in the User menu. Refer to IDIS Solution Suite Standard User's Manual for details.
- **Remember my ID on this computer**: Check the box if you want to save your ID for logging on.

2 Select the **Service** menu, and then register a video wall service on the administration service following the procedures below.

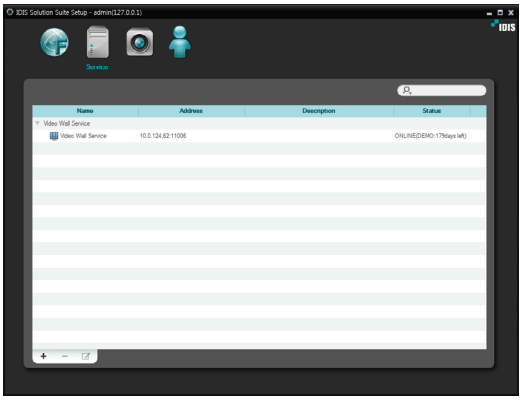


3 Click the **Video Wall Service**, and then the + button at the bottom. The **Service Registration** window appears.

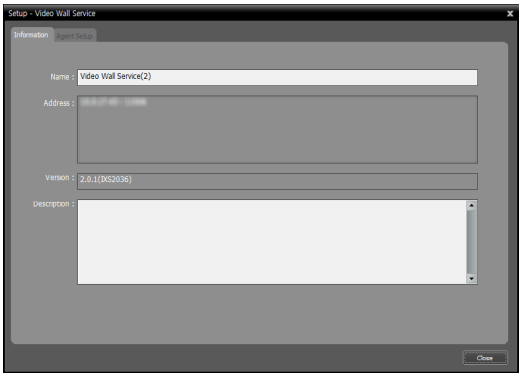


- **Name**: Displays services that are currently connected to the federation service via the network.
- **Type**: Displays the service type.
- **Address**: Display the IP address and port number of each server.

4 Select a video wall services to register on the federation service and click the **OK** button.



5 Select a video wall service and click the ☑ button at the bottom. The **Setup – Video Wall Service** window appears. Select the **Information** tab.



6 Enter the video wall service's name and click the **Close** button.

Part 4 - Monitoring Using the Agent Program

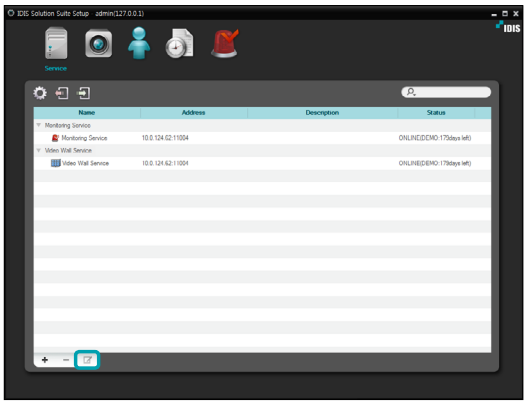
You can control monitoring on multiple monitors with network keyboards.

If User Account Control is turned on in the Agent system, the Video Wall Agent program may not work. In this case, turn User Account Control off (**Start** menu → **Control Panel** → **User Accounts and Family Safety** → **User Accounts** → **Turn User Account Control off**) and run the Video Wall Agent program.

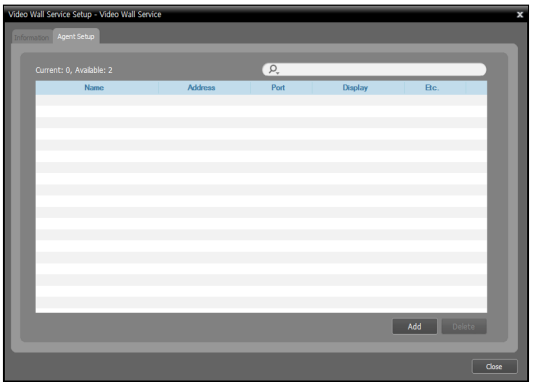
Registering Video Wall Agent System

Registering Agent System

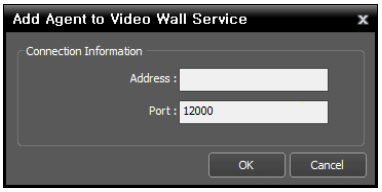
1 Go to the **Start** menu > Click **IDIS Solution Suite** > Run the **IDIS Solution Suite Setup** program and enter login information.



2 Select a video wall service and click the button at the bottom in the Service menu. The **Setup – Video Wall Service** window appears. Select the **Agent Setup** tab.

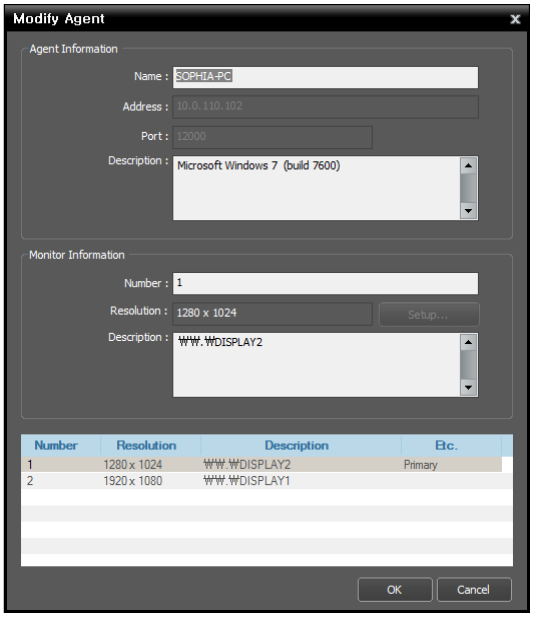


3 Click the **Add** button at the bottom. The **Add Agent to Video Wall Service** window appears.



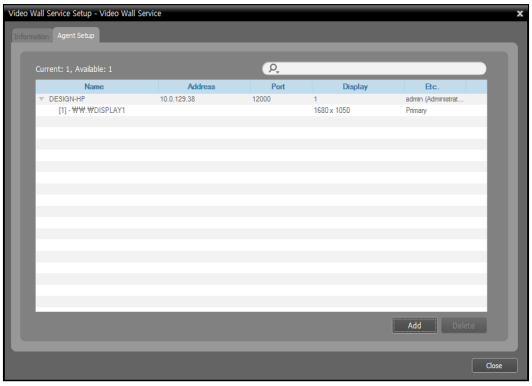
- Address, Port: Enter the IP address and port number of the Agent system.

4 Click the **OK** button. The **Modify Agent** window appears.

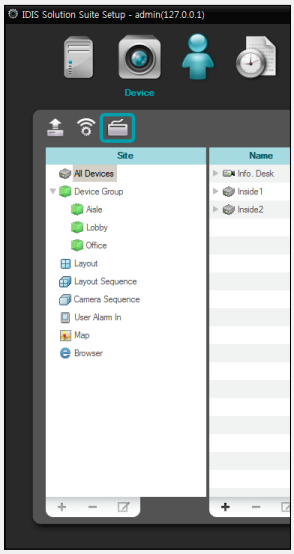


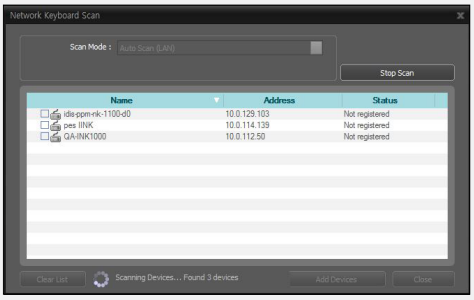
- **Name**: Allows you to change the Agent system name.
- **Address, Port**: Displays the IP address and port number of the Agent system.
- **Description**: Displays the Operating System information of the Agent system.
- **User**: The list of users registered on the administration or federation service is displayed. Select a user of the Agent system to be registered. The Agent program will automatically run logging on as the selected user. Each user may have different authority for each device and function depending on the settings at the **IDIS Solution Suite Setup** program → **User** menu. You can change the authority or password of each user at the **User** menu. If the video wall service is registered on a federation service, this option will not be supported and you can select a user at the **User Setup** tab (**IDIS Solution Suite Setup** program → **Service** menu → select a video wall service and click the button → **User Setup** tab). In this case, all Agent systems registered on the video wall service will automatically run logging on as the selected same user.
- **Number**: Displays ID of each monitor connected to the Agent system. The ID is used to distinguish the monitor from other monitors when controlling the Agent system with a network keyboard, so each must have a unique ID.
- **Resolution**: Displays the resolution of each monitor connected to the Agent system.
- **Description**: Displays information of each monitor connected to the Agent system.

5 Click the **OK** button. A list of registered Agent system is displayed.

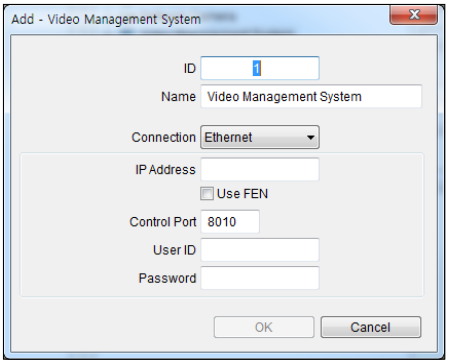


6 Register the network keyboard on the administration or federation service: Select the **Device** menu→ Click (Network Keyboard Setup) button, and the **Network Keyboard Scan** window appears. The way to register a network keyboard is identical to the way to register a device.





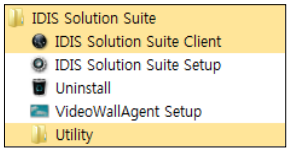
7 Register the video wall service on the network keyboard. Refer to the network keyboard's user manual for details.

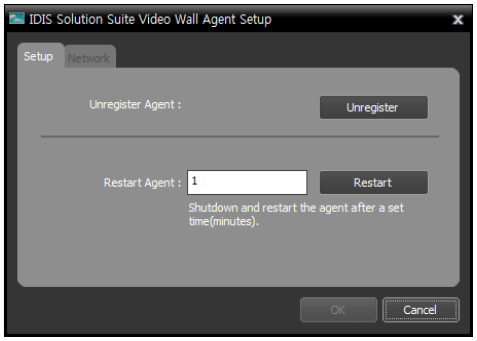


- **ID** (video wall service ID): The network keyboard assigns the ID automatically when the video wall service is registered, and you can change the ID. The ID is used to distinguish the video wall service from other video wall service when connecting to the video wall service with a network keyboard, so each must have a unique ID.
- **Name**: Set up a video wall service name for your reference.
- **IP Address**: Enter the video wall server's IP address. Do not check **Use FEN**.
- **Control Port**: Enter the Network Keyboard Port number set in the video wall server (Check the Network Keyboard Port number in the Service Manager program → **Option** menu → **Server Option** setting).
- **User ID, Password**: Enter the user ID and password for the connection to the video wall service. Check the user ID and password in the **IDIS Solution Suite Setup** program → **Service** menu → video wall service → button → **User Setup tab**.

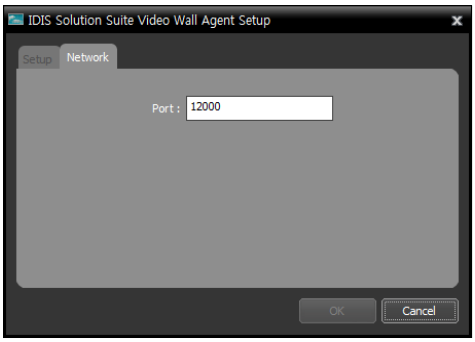
Setting up Video Wall Agent Setup

Go to the **Start** Menu → Click **IDIS Solution Suite** → Click **VideoWallAgent Setup**.





- **Unregister Agent**: If the Agent system is not removed from a video wall service and all data is deleted while the IDIS Solution Suite software is uninstalled, the Agent system cannot be registered again. In this case, clicking the **Unregister** button allows you to register the Agent system.
- **Restart Agent**: The Agent program runs automatically when the Agent program is registered on the video wall service, and the Agent program keeps running as long as the Agent system is operating. If you want to stop running of the Agent program temporarily, enter the duration and click the **Restart** button. The Agent program stops running and restarts after the entered length of time has expired.



- **Port:** Allows you to change the port number for the connection to the Agent system.

Connecting to Agent System

1 Press on the network keyboard the video wall service ID on which the Agent system is registered.

2 Press the DEV button.

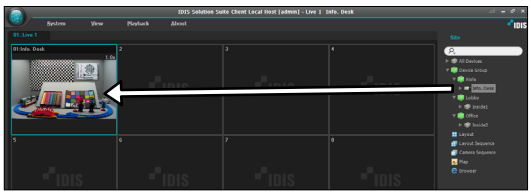
3 Pressing the monitor ID.

4 Pressing the MON button.

Monitoring Video and Playing Back Recorded Video

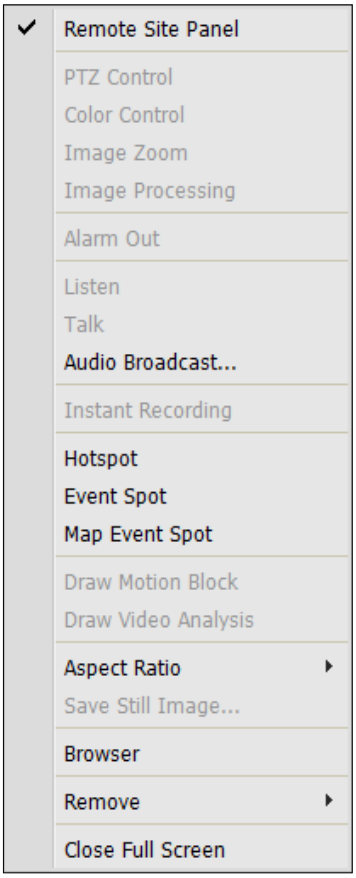
1 Press on the network keyboard the F2 button. A list of panels appears → Click **Live** or **Play/DVR Search** by using the mouse connected to the network keyboard.

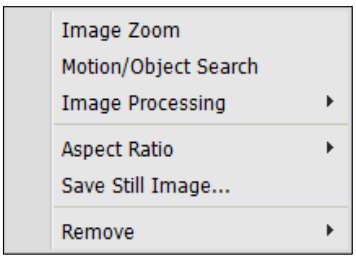
2 Press on the network keyboard the F4 button. A site list is displayed in the current Live or Play/DVR Search panel → Select a site to connect to from the site list, and drag and drop it on the Live or Play/DVR Search screen by using the mouse connected to the network keyboard. Live or recorded video from the selected site is displayed on the screen.



3 Press on the network keyboard the [Menu] (Menu) button. The live or play screen menu is displayed.

4 Moving to the desired item by using arrow buttons and pressing the enter button ([↵]) selects the item in the menu or releases the selection. If you want to exit the current item setting, press the [Menu] (Menu) button and releases the selection.





5 Refer to **Network Keyboard Buttons (28 page)** for the explanations about controlling with other buttons of the network keyboard.

Network Keyboard Buttons

The following is an explanation of the network keyboard buttons used to control the Agent system. Refer to the network keyboard's user manual regarding buttons for PTZ control.

Buttons for Operation Commands

Button	Designation	Operation
(1)	Number (1 to 9)	• ID → [MON], [PANE], [DEV]: Selects a monitor, camera screen, panel tab or Agent system to control.
(0)	Number (0)	• Does not function as a command button.
(SHIFT)	Shift	• [SHIFT] → Button : Performs the secondary function for buttons that support two functions.
(ESC)	ESC	• [ESC]: Cancels a command during its operation.
(DEV)	Connection	• Video wall service ID → [DEV]: Connects to the video wall service .
	Disconnection	• [SHIFT] & [DEV]: Releases the connection to the Agent system.
(PANE)	Camera Screen	• Camera Screen ID → [PANE]: Selects the camera screen.
(MON)	Monitor	• Monitor ID → [MON]: Selects the monitor.
(-)	-	• (-): Releases the connection of the currently selected camera screen or device.
[F1]	Function (1 to 8)	• **F1**: Displays monitor ID when using more than one monitor. • **F2**: Displays or hides a list of panels. The maximum number of each panel is the same as that of the IDIS Solution Suite Client program. • **F3**: Displays or hides a PIP screen. The PIP screen shows the enlarged area of where the mouse cursor is located. • **F4**: Displays or hides a site list. • **F7** ([SHIFT] & [F3]): Displays or hides the **Preference** setup screen of the IDIS Solution Suite Client program. • **F8** ([SHIFT] & [F4]): Displays or hides the Agent program's software version.

Buttons for Agent System Control

Some functions may not be supported, depending on the connected device.

Button	Designation	Operation
	Instant Recording On/ Panic Recording On	• Camera Screen ID → [ ] : Starts instant recording/panic recording for the selected camera screen.
	Instant Recording Off/ Panic Recording Off	• Camera Screen ID → [SHIFT] & [ ] : Stops instant recording/panic recording for the selected camera screen.
	Alarm Out On	• Camera Screen ID → [ ] : Activates the alarm out 1 of the device connected to the selected camera screen. • **Alarm-out device No.** → [ ] : Activates the selected alarm out.
	Alarm Out Off	• Camera Screen ID → [SHIFT] & [ ] : Deactivates alarm out 1 of the device connected to the selected camera screen. • **Alarm-out device No.** → [SHIFT] & [ ] : Deactivates the selected alarm out.
	Display	• [ ] : Allows you to change a screen format. Select a screen format by using arrow buttons and enter button ([↵]). • [SHIFT] & [ ] : Changes to the 1x1 screen format. Pressing the button again returns to the previous screen format.
	Group	• [ ] : Moves to the next camera group.
	Freeze	• [ ] : Freezes the current live images on the screen.
	Zoom	• [SHIFT] & [ ] : Zooms in the current live images on the screen. You can move the zoomed-in area by using arrow buttons and enter button ([↵]).
	Panel Toolbar	• Displays or hides a panel toolbar.
	Search/Live	• [ ] : Displays the Play or DVR Search panel and allows you to search and play back recorded video of the device connected to the selected camera screen in the Live panel is connected. • [SHIFT] & [ ] : Returns to the previous Live panel.

◀◀	Fast Backward Play	• ◀◀: Plays video backward at high speed in the playback mode.
	Backward Step	• SHIFT & ◀◀: Plays video backward image-by-image in the playback mode.
▶/II	Play, Pause	• ▶/II: Plays back video. Pressing the button while playing back video pauses the video.
▶▶	Fast Forward Play	• ▶/II: Plays video forward at high speed in the playback mode.
	Forward Step	• SHIFT & ◀◀: Plays video forward image-by-image in the playback mode.
	Menu	• Displays the screen menu of the selected camera screen
	Enter Button (↵)	• Selects an item in the screen menu of the selected camera. • Toggles the zoom size when in the zoom mode.
	Arrow Buttons	• Navigates through items in the screen menu of the selected camera screen. • Moves the zoomed-in area when in the zoom mode.
	Jog Dial	• Functions only when in the playback mode. • Plays video forward or backward image-by-image by turning the jog dial clockwise or counterclockwise when playback video has been paused.
	Shuttle Ring	• Functions only when in the playback mode. • Plays video when in the playback mode. The shuttle ring is spring loaded and returns to the center position when released. Turning the ring clockwise or counterclockwise plays video forward or backward. The playback speed varies with the amount the ring is turned: fast forward and rewind. • Controls the playback speed in the DVR Search panel.

IDIS Co., Ltd.

For more information, please visit at
www.idisglobal.com